

# The ID1 card scanner

Card Reader

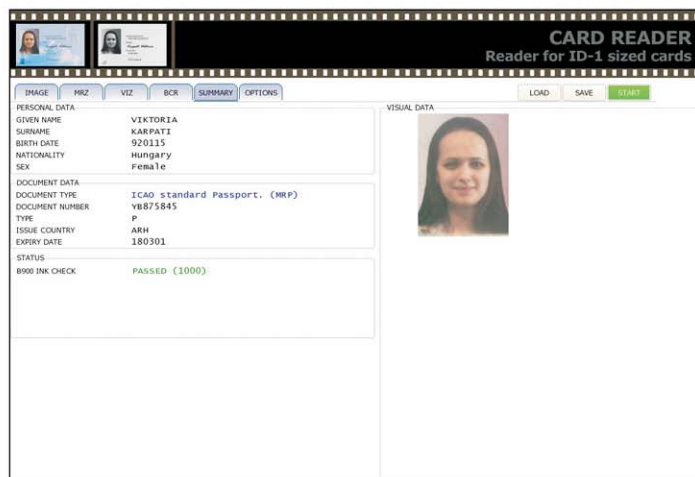


## The ID1 card scanner: optimal solution for reading ID1 size cards



Card Reader is a smart solution to read ID1 size cards like national ID cards, health insurance cards, drivers' licenses. Ideal for access control applications based on printed cards. Desktop unit designed not just for governmental and commercial but also for SOHO (Small Office-Home Office) operation. Specially designed for ID1 size cards or any other maximum 89 x 54 mm (3,5" x 2,16") sized printed document.

Thank to its enhanced optical system, the Card Reader provides high resolution, outstanding image quality. Industry leader OCR algorithm is provided with the reader. The image provided by the Card Reader could be used with a third party OCR software also.



### Main advantages of Card Reader

- By connecting to a notebook/laptop, it could be used as a mobile (portable) device
- Powered from USB
- 450DPI resolution images
- Extremely fast document reading: image capturing, data transfer to PC and OCR reading is less than 0.8 sec (depending on PC configuration)
- Exceptionally accurate OCR algorithm to read 1, 2 or 3 lines MRZ
- 1D and 2D barcode reading
- Easy to integrate into any IT system (SDK included)

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# Technical specifications

## of Card Reader

### Illuminations

- Visible (White)
- Infra Red (B900)

### Optical Specifications

- Image sensor: 2048 x 1536
- Image resolution: 450 DPI
- Image colour depth: 24 bits/pixels RGB

### Mechanical Data

- Size : 135 x 96 x 187 mm (5.31" x 3.78" x 7.36")
- Window size : 89 x 54 mm (3.50" x 2.13")
- Case: ABS plastic
- Window glass: 4 mm tempered glass
- Operating temperature: +5°C to +45°C (41°F to 113°F)
- Operating humidity: 0-95% (non-condensing)
- Weight: 0.65 kg (1.43lb)
- No moving parts

### Other Specifications

- Internal memory: storing factory calibration
- Interface: USB 2.0
- Power: from USB



### Software Development Kit (SDK)

#### Supported OS

- Windows® 7 (32/64bit), Windows® Vista (32/64bit), Windows® XP (32/64bit), Windows® 2003 (32/64bit)
- Linux® (optional, ask for details)

#### Programming languages

- C/ C++, C#, Visual Basic, Delphi, .NET, Java

#### Processing time (depending on PC configuration)

- Infra image +OCR (MRZ) reading: under 0,8 sec (minimum PC configuration: P4/Dual core CPU, 2GB RAM, USB 2.0)

#### MRZ OCR reading

- Included (ICAO 9303)

#### VIZ OCR reading

- Included (ask for details)

#### 2D Barcode reading

- PDF 417
- Data Matrix
- QR Code
- Aztec Code

#### 1D Barcode reading

- UPC-A, EAN8, EAN13, Code39, Code128. Interleaved 2 of 5

#### Image format

- BMP, JPG, JPG2000, PNG

*Technical specifications are subject to change without prior notice*

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